

## COPS4 Polyclonal Antibody

Catalog number: 10464-1-AP

Size: 20 µg/150 µl

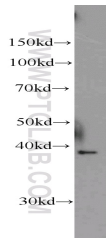
Source: Rabbit

Isotype: IgG

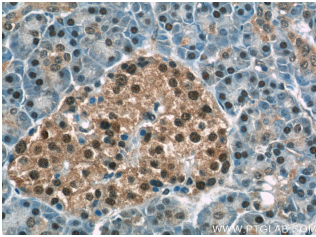
Synonyms:

COPS4; COPS4, CSN4, SGN4,

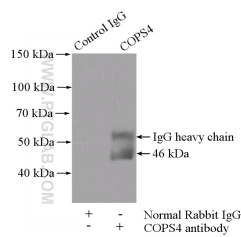
Signalosome subunit 4



A2780 cells were subjected to SDS PAGE followed by western blot with 10464-1-AP(COPS4 antibody) at dilution of 1:500



Immunohistochemistry of paraffin-embedded human pancreas tissue slide using 10464-1-AP( COPS4 Antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-COPS4 (IP:10464-1-AP, 4µg; Detection:10464-1-AP 1:300) with PC-3 cells lysate 1800µg.

### Background

COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. CSN4 gene encodes a component of CSN complex, COP9 signalosome complex subunit 4 (COPS4). The ubiquitin-proteasome system plays a major role in the rhythmic accumulation and turnover of molecular clock components. A recent study in *Drosophila* indicates that CSN lie in a common pathway leading to light-dependent degradation of clock protein Timeless (TIM).

### Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated COPS4 MW:	40; 46 kDa
Observed COPS4 MW:	40; 46 kDa
Positive WB detected in	A2780 cells, PC-3 cells
Positive IP detected in	PC-3 cells
Positive IHC detected in	Human pancreas tissue
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0735
GenBank accession number:	BC004302
Gene ID (NCBI):	51138
Full name:	COP9 constitutive photomorphogenic homolog subunit 4 (Arabidopsis)

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.